

# NATIONAL SOLAR OBSERVATORY

## Daily Sunspot Data From Automated Analysis

USAF OSPaN 630.315nm image

CLOUDS: Ukn

CONDITION: Good

OBSERVER: *TWH*

Irradiance reduction due to sunspot  
blocking = 0.0032% at 630.315nm

**10 Dec 03**  
**15:30:30 UT**

GROUPS: 3

SPOTS: 3

R-NUMBER: 33

TOTAL SPOT AREA: 145  $\mu$

THRESHHOLD: 0.92

